

DESCRIPTIVE ABSTRACT

The invention concerns a method of producing a mechanical part on the basis of a computer-aided design of the type comprising:

- a preliminary step of breaking down the body of the part into elementary strata,
 - a step of manufacturing the elementary strata,
 - a step of reconstructing the part,
- characterized in that:
- the procedure incorporates, during the breaking-down of the part, the breaking-down of at least one fluid transport circuit designed and modeled beforehand into elementary chambers (20) according to a break-down associated with that of the part,
 - said elementary chambers are produced in the elementary strata (7i) of the part during the step of manufacturing the strata, and
 - the fluid transport circuit is reconstructed in its entirety during the superposition and assembly of the strata.

The invention concerns the mechanical parts produced by said method and for numerous fields of application, for example, but not exclusively, plastic and metal processing.

Figure for the Abstract: figure 3a